

Early Journal Content on JSTOR, Free to Anyone in the World

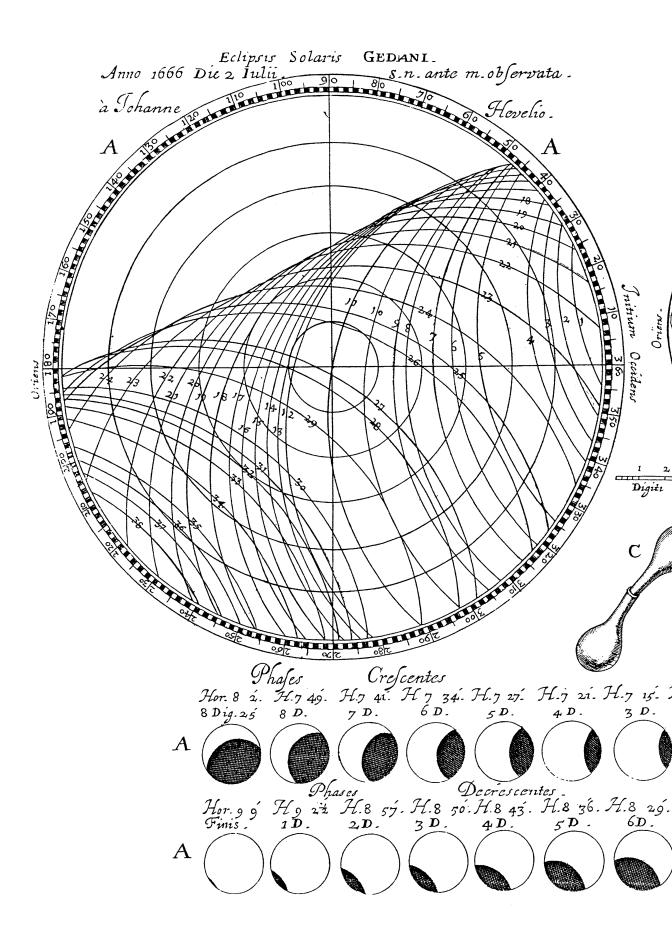
This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

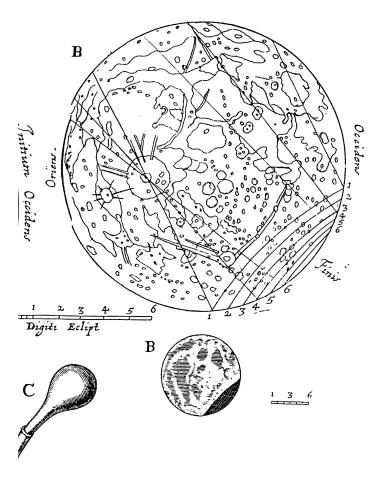
Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

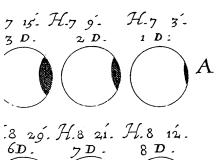
JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

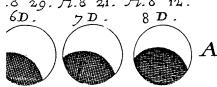


Eclipsis Luna observata GEDANI,

Anno 1666, Die ¥ 16 Iunii St.n. à Johanne Hevelio







PHILOSOPHICAL TRANSACTIONS.

Munday, 'Fanuary 21. 1666.

The Contents.

An Account, formerly promised, of Monsieur Hevelius's Calculation of the late Solar Eclipse's Quantity, Duration, &c. The Figure of the Star in the Constellation of Cygnus, together with the New Star in it, discovered some years ago, and very lately seen again by the same Mr. Hevelius. An Extract of a Letter, written by Mr. Auzout, concerning a way of his, for taking the Diameters of the Planets, and for knowing the Parallax of the Moon: Giving also a Reason, why in the Solar Eclipse above-mentioned, the Diameter of the Moon did increase about the end. A Relation of the loss of the Way to prepare the Bononian Stone for shining. A Description of a Swedish Stone, affording Sulphur, Vitriol, Allum, and Minium. A Relation of the Raining of Ashes. An Extract of a Letter from Rome, rectifying the Relation of Salamanders living in Fire. An Account of several Engagements for Observing of Tydes. Some Suggestions for Remedies against Cold. A Relation of an uncommon Accident in two Aged Persons. An Account of Two Books, I. ISMAELIS BULLIALDI ad Astronomos Monita duo: Primum, de Stella Nova, in Collo Ceti ante aliquot annos visa. Alterum, de Nebulosa Stella in Andromeda Cinguli parte Borea, ante biennium itcium oitá. II. ENTRETIENS sur les vies & sur les Ouvrages des plus excellens Peintres, antients & modernes, par M. FELIBIEN.

Monsieur Hevelius's Calculation of the late Solar Eclipse's Quantity, Duration, &c.

His Calculus was not long lince communicated by Monsieur Hevelius in a Letter to the Publisher, as follows,

Eclipsis Solaris.

Observata An. 1666. D. 2. Julii, St. N. Mane, à Johanne Hevelio.

Orde Pha- fium	Quantitas Phalium.	Temp. zitin		Altitude	corred.	Animadvertenda.
		5.51.11 5.57. 5	5.57. 0	17.45 18.37	H., " 5.53.12 5.59.28 6. 1.28	Quòd Sciatericum cum cor- recto tempore non omninò convenit, non-nifi Linez Me- cidianz imputandum.
2	Initium. $0 \frac{3}{x} \text{ dig.}$ $0 \frac{3}{4} \text{ t.} \frac{3}{x}$				6 57.30 5.59.30 7. 2.23 7. 4.30	Inicium circa 79 gr: à puncto Zenith occasum versus conti- git.
5	r ½ dig. r ½ ferè.	7. 4.50 7.10.57 7.14.59 7.17.50	7.10 7.15		7. 6.50 7.12.57 7.16.59 7.19.50	
10 5	5 1 5	7.21.35 7.23.43 7.27.53 7.31.50	7.23 fere. 7.28		7.23.35 7.25.43 7.29.53 7.33.50	Hujufque Semî liamet ec Luna equalis extivît Solari.
147	$5\frac{7}{8}$ paul. plus-	7.39.45	7.38		7.3 ⁸ .55 7.40. 0 7 41.45 7.44.30	
16 7 17 7 18 8 19 8	ferè.	7.44. 6 7:46. 0 7.48.25 7.51.15	7.46 7.48 erè		7.46 6 7.48. 0 7.50.25 7.53.15	
21 8	paul min	7.55.45	7.56 erè.	8	7.55.37 7.57.45 8. 1. 5 8. 8.30	Maxima obscuratio exsistit ligit. 8.23 nota 8.24.

(371)									
Orde Pha- fiun Quantitas Phatium.	Temp.zstim Temp. sec. horol. scioth		Tempus correct.	Animadvertenda.					
247 ³ / ₄ ferè. 267 fere. 275 ⁷ / ₄	H., H. 8.11.25 8.12 8.17.30 8.18 8.19.41 8.19 8.28. 8 8.28	3	1 7.5-	Hic Semidiameter Lune ad 8th vel 9th major apparuit. * * See Numb. 19. of the Philo- fophical Transactions, 2.347.					
285 ¹ / ₁ fere. 294 ³ / ₂ 303 ⁶ / ₈ 313 ¹ / ₄	8 30 14 8.30 8 36 25 8.36 8 43 19 8 43 8 46 12 8.46	5	8.32.14 8.38.25 8.45.19 8.48.12						
3 ² 3 33 2 ³ / ₄ 34 2 ^x / ₂ fere. 35 1 ³ / ₈	8.47.32 8.47 8.50.57 8.50 8.54.15 8.54 8.58.24 8.58	1	8.29.32 8 .2.57 8.56.15 9. 0.24						
36 I = 37 0 = 38 0 = 5 39 Finis.	8.59.35 8.59 9. 1.38 9. 9. 3.20 9. 3 9. 6.53 9. 6	3	9. 1.35 9. 3.38 9. 5.20 9. 8.53	·					
	9.23. 6 9.24.16 9.28.29 9.30.36	47.42 48.10	9.25.28 9.36.45 9.30.42 9.33.12						

This Observation is by the same Astronomer, represented also by the Figures AAAAAA; as that of the Horizontal Eclipse of the Moon, is, by the Figures BB.